

Sampling and Testing Guide-Minimum Frequency

Matls. IM 204
Appendix F (U.S.) Units

HOT MIX ASPHALT (QMA) Section 2303, 2213, and 2114

October 29, 2002
Supersedes April 30, 2002

MATERIAL OR CONSTRUCTION ITEM	TESTS	METHOD OF ACCEPTANCE AND RELATED IMs	QC/ACCEPTANCE S&T					ASSURANCE, CORRELATION AND VERIFICATION S&T						REMARKS †
			SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	S&T TYPE	SAMPLE BY	FREQ. Note 1	SAMPLE SIZE	TEST BY	REPORT	
SOURCE INSPECTION														
Aggregates -Coarse (4127)		AS 209												
Aggregates -Fine (4127)		AS 209												
Hydrated Lime (4126/4127)		AS 491.04												
Asphalt Binder		AS 437												
Emulsions & Cutbacks		AS 437												
Release Agent		AB 491.15												
PLANT INSPECTION														
Aggregates (2303)	Quality							V	DME	1/20,000 Ton	50 lb.	CTRL		
Combined Aggregate (4126, 4127)	Gradation		CONTR	3/lot	IM 301	CONTR		CORR. ASSUR	CONTR DME	1 st day+10% 1/20,000 T	IM 301	DME/RCE DME	IM 216 IM 216	
	Moisture †		CONTR	1 / half day	1000 gm	CONTR								Dryer Drum Plants Only
AS-Approved Source AB-Approved Brand ASD-Approved Shop Drawing S&T-Sampling & Testing		Cert A-Type A Certification Cert B-Type B Certification Cert C-Type C Certification Cert D-Type D Certification			RCE-Resident Construction Engineer/Project Engineer DME-District Materials Engineer CTRL-Central Materials Office CONTR-Contractor					ASSUR-Independent Assurance VERIF-Verification CORR-Correlation MON-Monitor				

Note: Sample Frequencies based on Tons of Mix

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			SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	S&T TYPE	SAMPLE BY	FREQ. Notes	SAMPLE SIZE	TEST BY	REPORT	
PLANT INSPECTION														
Mineral Filler			DME	1/proj.	50 gm	DME	821278							
Asphalt Binder	DSR Quality	AS Cert D	CONTR	1/80 T	3 oz. Tin	DME†		V	DME	1/20,000 T of Mix	1 qt	CTRL		log all shipments Test 1 st 3days then 1/week
Cutback	Quality Viscosity	AS 329	RCE	1/proj	1 qt	DME								log all shipments
Emulsion	Residue	AS 360	RCE	1/proj	1 qt	DME								Plastic bottle required
GRADE INSPECTION														
Uncompacted Mixture:	Lab Density	321 , 325 325G	CONTR	As per 2303	60 lb	CONTR		CORR	CONTR	1/day †	50 lb	DME		May be adjusted by DME as per 2303
	Lab Voids	350 , 501	CONTR	As per 2303	60 lb	CONTR		CORR V	CONTR DME	1/day † 1/20,000 T of Mix	50 lb 40 lb	DME CTRL		May be adjusted by DME as per 2303
Compacted Mixture	Density Thickness Voids	320 , 321 337 321	CONTR† CONTR† CONTR†	lot lot lot	7/lot 7/lot 7/lot	CONTR CONTR CONTR		CORR CORR CORR	CONTR CONTR	1 st day+10% 1 st day+10% 1 st day+10%		DME DME DME		Witness by RCE Witness by RCE Witness by RCE
	Smoothness	341	CONTR	100%	100%	CONTR		CORR	DME	10%		DME		
AS-Approved Source AB-Approved Brand ASD-Approved Shop Drawing S&T-Sampling & Testing		Cert A-Type A Certification Cert B-Type B Certification Cert C-Type C Certification Cert D-Type D Certification			RCE-Resident Construction Engineer/Project Engineer DME-District Materials Engineer CTRL-Central Materials Office CONTR-Contractor				ASSUR-Independent Assurance VERIF-Verification CORR-Correlation MON-Monitor					

Note: Verif/Assur/Corr not required under 2000 Tons of Mix.

Note: Sample Frequency based on Tons of Mix.